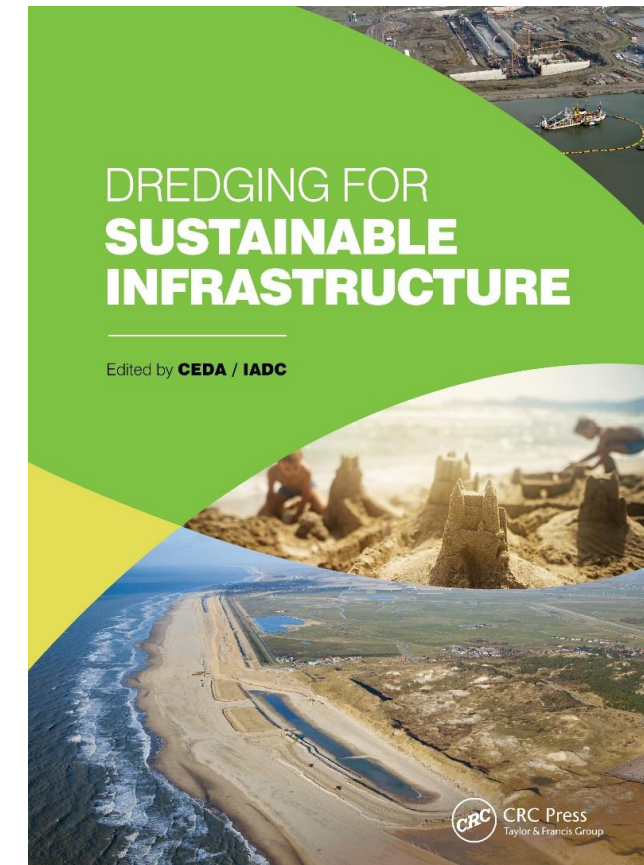
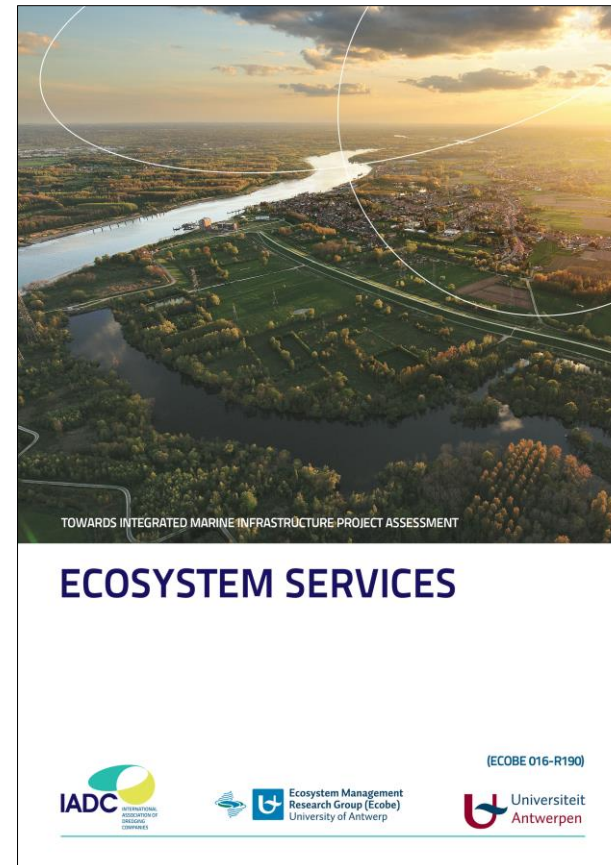


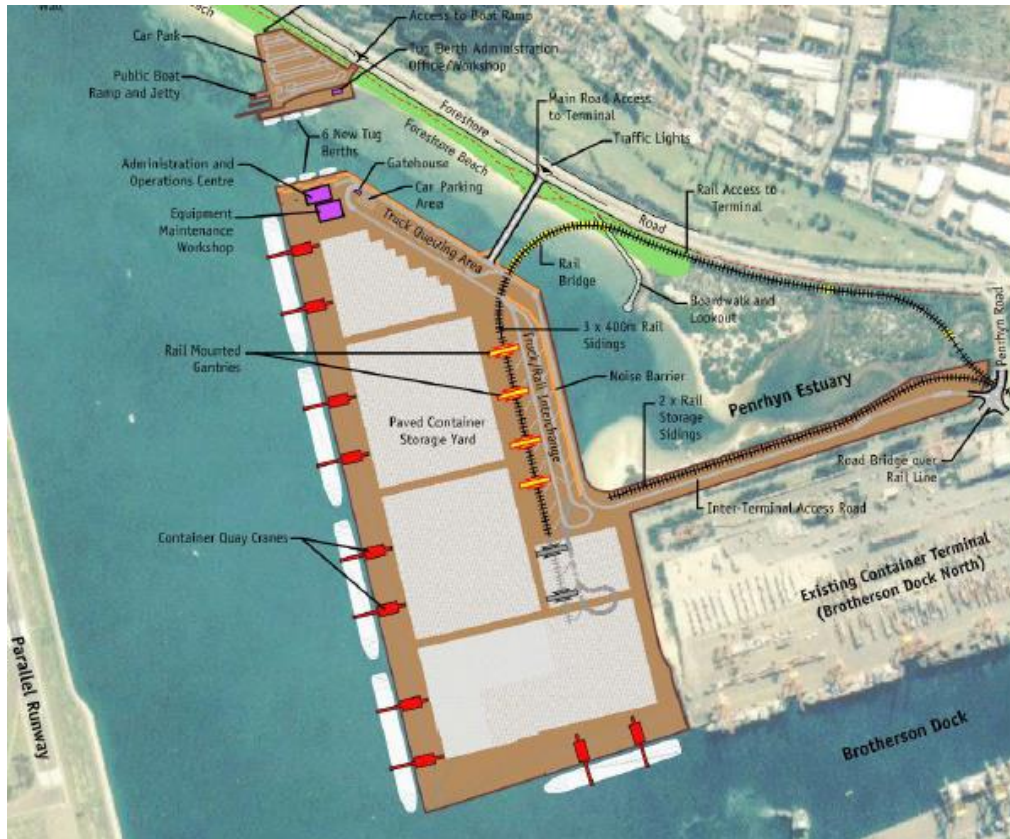
# Why Sustainability Assessment of Port Projects Matters







# BOTANY BAY, SYDNEY PORT EXPANSION



- 2011
- 63 hectares of reclaimed terminal land
- construction of 1.85 km of shipping wharves with deep water berths



- Penrhyn Estuary Habitat enhancement
- Foreshore beach development



# BOTANY BAY, SYDNEY PORT EXPANSION



# BOTANY BAY, SYDNEY PORT EXPANSION

Qualitative, quantitative and/or monetary assessment

## Opportunities for transportation

+8,000 TEUs/y port capacity

## Recreation

Enhanced with  
the recreation plan

## Climate regulation

Capacity: -56 tonC/y	-12,320 €/y
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## Fish production

Increase nursery area

## Port Botany Expansion



## Water quality regulation

Capacity: -2,223 kgN/y +120 kgP/y	-82,277 €/y
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## Biodiversity

Positive impact on  
shorebirds is expected

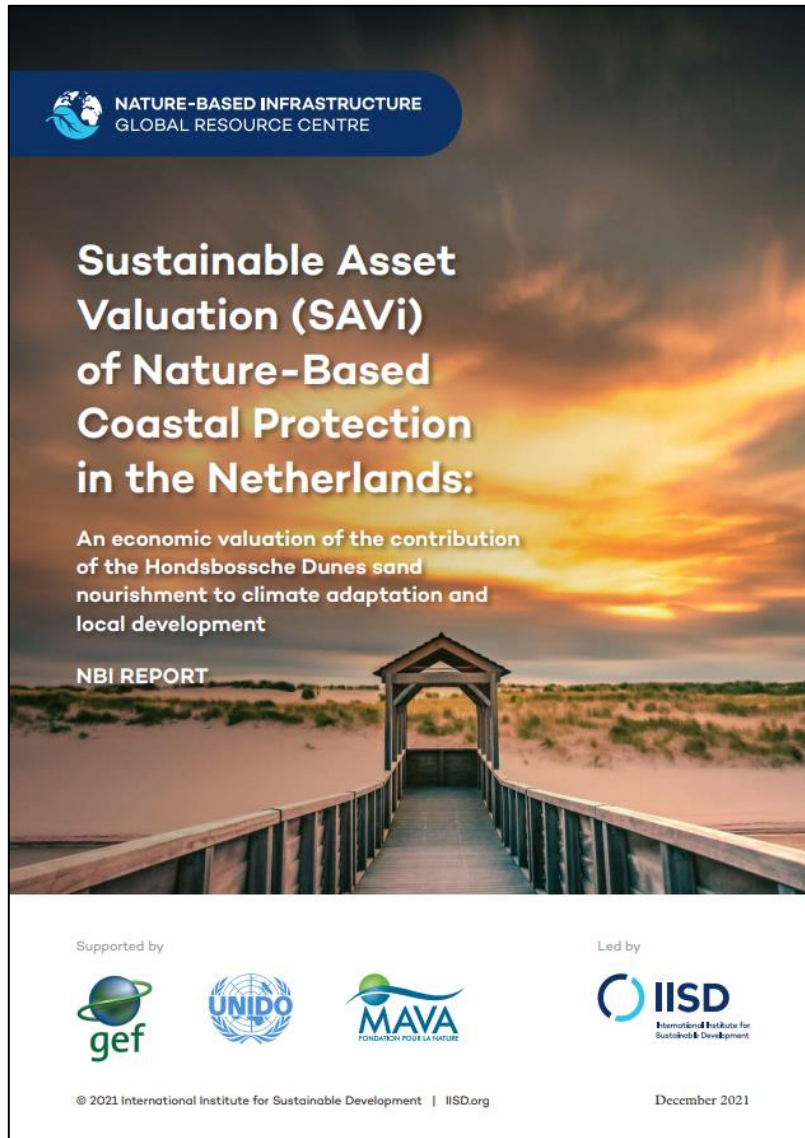
## Sedimentation /erosion regulation

Capacity: +3350 m <sup>3</sup> /y	
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## Air quality regulation

Capacity: -312 kgPM <sub>10</sub> /y	-18,848 €/y
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# HONDBOSSCHE SEA DUNES



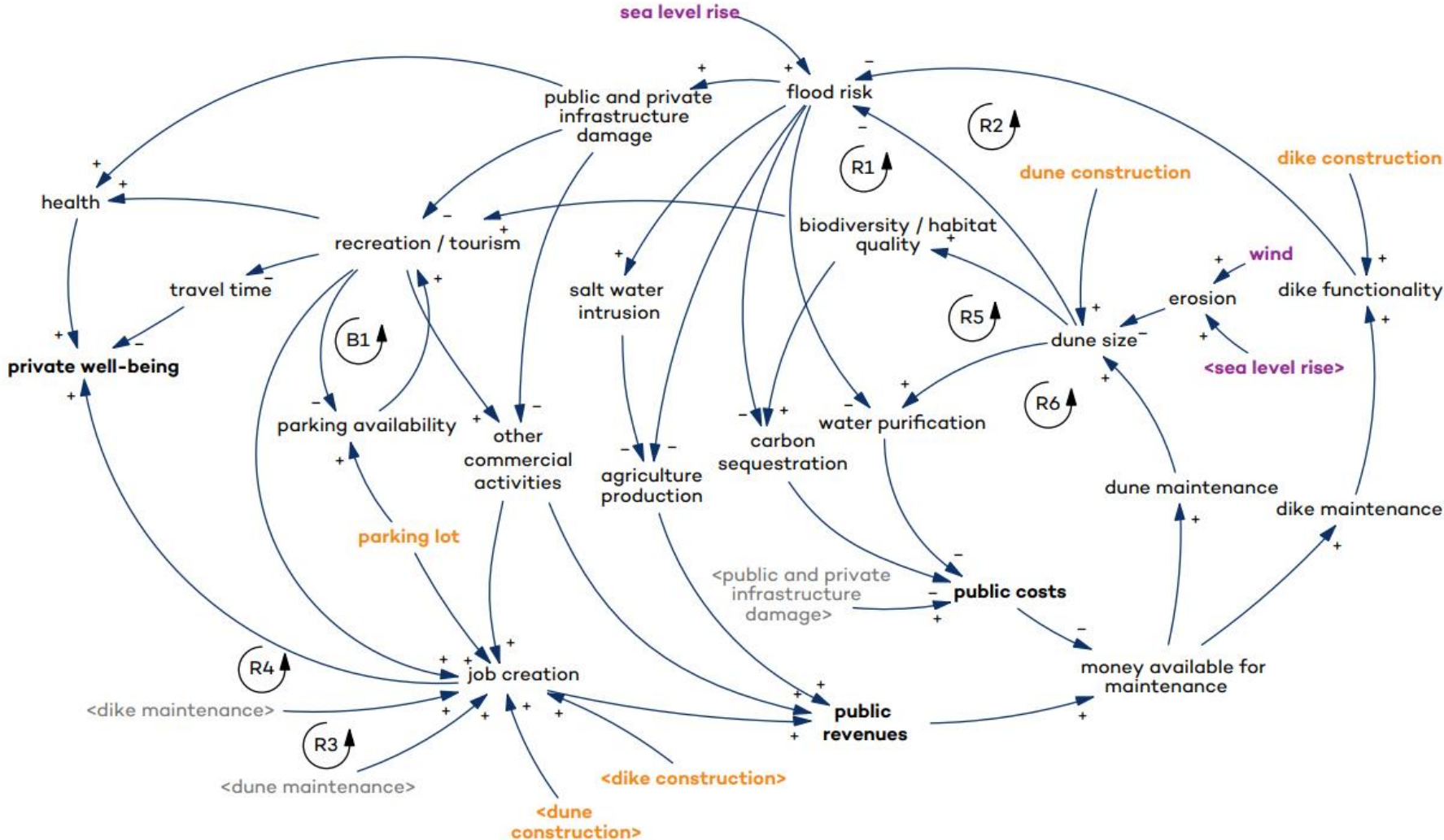
<https://www.iadc-dredging.com/webinar/benefits-sea-dunes-hondsbossche/>



# HONDBOSSCHE SEA DUNES



## HONDBOSSCHE SEA DUNES, CAUSAL LOOP DIAGRAM





# HONDBOSSCHE SEA DUNES



# THE VALUATION OF EXTERNALITIES IN MARITIME INFRASTRUCTURE PROJECTS



<https://www.iadc-dredging.com/tag/complete-issue-165/>

<https://www.iadc-dredging.com/article/valuation-externalities-maritime-infrastructure/>